



## Appliances: Energy Use Operating Costs

|  | Average<br>Wattage | Estimate<br>kWh/year | Cost/Year<br>@ \$.06 kWh | Cost/Month<br>@ \$.06 kWh |
|--|--------------------|----------------------|--------------------------|---------------------------|
| <b>FOOD PREPARATION</b>                          |                    |                      |                          |                           |
| Blender  | 300                | 1                    | \$ 0.07                  | \$ 0.01                   |
| Broiler  | 1,140              | 85                   | \$ 5.53                  | \$ 0.46                   |
| Carving Knife                                    | 92                 | 8                    | \$ 0.52                  | \$ 0.04                   |
| Coffee Maker                                     | 1,200              | 140                  | \$ 9.10                  | \$ 0.76                   |
| Deep Fryer                                       | 1,448              | 83                   | \$ 5.40                  | \$ 0.45                   |
| Dishwasher                                       | 1,200              | 225                  | \$ 14.63                 | \$ 1.22                   |
| Egg Cooker                                       | 516                | 0.14                 | \$ 0.01                  | \$ 0.00                   |
| Frying Pan                                       | 1,196              | 100                  | \$ 6.50                  | \$ 0.54                   |
| Hot Plate  | 1,200              | 90                   | \$ 5.85                  | \$ 0.49                   |
| Mixer  | 127                | 2                    | \$ 0.13                  | \$ 0.01                   |
| Microwave  | 750                | 280                  | \$ 18.20                 | \$ 1.52                   |
| Range With Oven                                  | 12,200             | 700                  | \$ 45.50                 | \$ 3.79                   |
| With Self Cleaning Oven                          | 12,200             | 730                  | \$ 47.45                 | \$ 3.95                   |
| Roaster  | 1,333              | 60                   | \$ 3.90                  | \$ 0.33                   |
| Sandwich Grill                                   | 1,161              | 33                   | \$ 2.15                  | \$ 0.18                   |
| Toaster  | 1,146              | 39                   | \$ 2.54                  | \$ 0.21                   |
| Trash Compactor                                  | 400                | 50                   | \$ 3.25                  | \$ 0.27                   |
| Waffle Iron                                      | 1,200              | 20                   | \$ 1.30                  | \$ 0.11                   |
| Waste Dispenser                                  | 445                | 7                    | \$ 0.46                  | \$ 0.04                   |
| <b>FOOD PRESERVATION</b>                         |                    |                      |                          |                           |
| Freezer  |                    |                      |                          |                           |
| Manual Defrost 16 cu. Ft. (pre 1985)             |                    | 1190                 | \$ 77.35                 | \$ 6.45                   |
| Manual Defrost 16 cu. Ft. (post 1993)            |                    | 595                  | \$ 38.68                 | \$ 3.22                   |
| Manual Defrost 16 cu. Ft. (post 2000)            |                    | 390                  | \$ 25.35                 | \$ 2.11                   |
| Auto Defrost 16 cu. Ft. (pre 1985)               |                    | 1182                 | \$ 76.83                 | \$ 6.40                   |
| Auto Defrost 16 cu. Ft. (post 1993)              |                    | 655                  | \$ 42.58                 | \$ 3.55                   |
| Auto Defrost 16 cu. Ft. (post 2000)              |                    | 440                  | \$ 28.60                 | \$ 2.38                   |
| Refrigerator/Freezer                             |                    |                      |                          |                           |
| Manual Defrost 15 cu. Ft. (pre 1985)             |                    | 1200                 | \$ 78.00                 | \$ 6.50                   |
| Manual Defrost 15 cu. Ft. (post 1993)            |                    | 595                  | \$ 38.68                 | \$ 3.22                   |
| Manual Defrost 15 cu. Ft. (post 2000)            |                    | 450                  | \$ 29.25                 | \$ 2.44                   |
| Auto Defrost 18 cu. Ft. (pre 1985)               |                    | 1650                 | \$ 107.25                | \$ 8.94                   |
| Auto Defrost 18 cu. Ft. (post 1993)              |                    | 700                  | \$ 45.50                 | \$ 3.79                   |
| Auto Defrost 18 cu. Ft. (post 2000)              |                    | 485                  | \$ 31.53                 | \$ 2.63                   |
| Auto Defrost 22 cu. Ft. Top Freezer (pre 1985)   |                    | 1980                 | \$ 128.70                | \$ 10.73                  |
| Auto Defrost 22 cu. Ft. Top Freezer (post 1993)  |                    | 765                  | \$ 49.73                 | \$ 4.14                   |
| Auto Defrost 22 cu. Ft. Top Freezer (post 2000)  |                    | 525                  | \$ 34.13                 | \$ 2.84                   |
| Auto Defrost 25 cu. Ft. Side by Side (pre 1985)  |                    | 2400                 | \$ 156.00                | \$ 13.00                  |
| Auto Defrost 25 cu. Ft. Side by Side (post 1993) |                    | 1040                 | \$ 67.60                 | \$ 5.63                   |
| Auto Defrost 25 cu. Ft. Side by Side (post 2000) |                    | 720                  | \$ 46.80                 | \$ 3.90                   |
| <b>LAUNDRY</b>                                   |                    |                      |                          |                           |
| Clothes Dryer (pre 1994)                         | 4,500              | 1000                 | \$ 65.00                 | \$ 5.42                   |
| Clothes Dryer -spin dried (post 2000)            | 4,500              | 765                  | \$ 49.73                 | \$ 4.14                   |
| Iron (hand)                                      | 1,100              | 60                   | \$ 3.90                  | \$ 0.33                   |
| Top Loading Washing Maching (pre 1994)           | 360                | 215                  | \$ 13.98                 | \$ 1.16                   |
| Front Loading Washing Maching (post 2000)        | 360                | 120                  | \$ 7.80                  | \$ 0.65                   |
| Water Heater                                     | 4,500              | 4150                 | \$ 269.75                | \$ 22.48                  |



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|-----------------------------------|--------------------|----------------------|--------------------------|---------------------------|
| <b>HOUSEWARES</b>                 |                    |                      |                          |                           |
| Clock                             | 2                  | 17                   | \$ 1.11                  | \$ 0.09                   |
| Sewing Machine                    | 75                 | 11                   | \$ 0.72                  | \$ 0.06                   |
| Vacuum Cleaner                    | 630                | 46                   | \$ 2.99                  | \$ 0.25                   |
| <b>HEALTH AND BEAUTY</b>          |                    |                      |                          |                           |
| Germicidal Lamp                   | 20                 | 141                  | \$ 9.17                  | \$ 0.76                   |
| Hair Dryer                        | 1,200              | 50                   | \$ 3.25                  | \$ 0.27                   |
| Heat Lamp (infrared)              | 250                | 13                   | \$ 0.85                  | \$ 0.07                   |
| Shaver                            | 15                 | 0.05                 | \$ 0.00                  | \$ 0.00                   |
| Sun Lamp                          | 279                | 16                   | \$ 1.04                  | \$ 0.09                   |
| Tooth Brush                       | 1                  | 1                    | \$ 0.07                  | \$ 0.01                   |
| Hair Curling Iron                 | 1,200              | 1320                 | \$ 85.80                 | \$ 7.15                   |
| <b>HOME ENTERTAINMENT</b>         |                    |                      |                          |                           |
| Radio                             | 71                 | 86                   | \$ 5.59                  | \$ 0.47                   |
| Stereo                            | 109                | 109                  | \$ 7.09                  | \$ 0.59                   |
| Television                        | 165                | 310                  | \$ 20.15                 | \$ 1.68                   |
| Computer & Monitor w/o sleep mode | 280                | 460                  | \$ 29.90                 | \$ 2.49                   |
| <b>COMFORT CONDITIONING</b>       |                    |                      |                          |                           |
| Air Cleaner                       | 50                 | 216                  | \$ 14.04                 | \$ 1.17                   |
| Air Conditioner (room)            | 2,300              | 842                  | \$ 54.73                 | \$ 4.56                   |
| Air Conditioner (central air)     | 4,400              | 2150                 | \$ 139.75                | \$ 11.65                  |
| Electric Blanket                  | 177                | 147                  | \$ 9.56                  | \$ 0.80                   |
| Dehumidifier                      | 257                | 377                  | \$ 24.51                 | \$ 2.04                   |
| Fan (circulation)                 | 650                | 850                  | \$ 55.25                 | \$ 4.60                   |
| Fan (rollaway)                    | 171                | 138                  | \$ 8.97                  | \$ 0.75                   |
| Fan (window)                      | 200                | 170                  | \$ 11.05                 | \$ 0.92                   |
| Furnace Fan                       | 500                | 650                  | \$ 42.25                 | \$ 3.52                   |
| Heater (portable)                 | 1,322              | 176                  | \$ 11.44                 | \$ 0.95                   |
| Heating Pad                       | 65                 | 10                   | \$ 0.65                  | \$ 0.05                   |
| Humidifier                        | 177                | 163                  | \$ 10.60                 | \$ 0.88                   |
| Water Bed (heater)                | 300                | 1320                 | \$ 85.80                 | \$ 7.15                   |
| Electric Furnace 15KW             | 15,000             | 6364                 | \$ 413.66                | \$ 34.47                  |
| <b>HEAT PUMP</b>                  |                    |                      |                          |                           |
| 2 1/2 Ton @ 8.0 HSPF              | 4,550              | 3350                 | \$ 217.75                | \$ 18.15                  |
| <b>FARM</b>                       |                    |                      |                          |                           |
| Pump 1/2 Hp Domestic              | 418                | 492                  | \$ 31.98                 | \$ 2.67                   |
| Pump 1 Hp Domestic                | 820                | 984                  | \$ 63.96                 | \$ 5.33                   |
| Pump 2 Hp Domestic                | 1,640              | 1968                 | \$ 127.92                | \$ 10.66                  |

This table lists common household appliances, their average wattage, the national average usage and the average cost to operate that appliance for one month and one year. The purpose of this table is to illustrate how your home uses electricity.

It should be emphasized that these are only national averages. Individual households can and do vary widely depending on the efforts made in each home to save money by conserving electricity.